

1/36

FIG. 1A

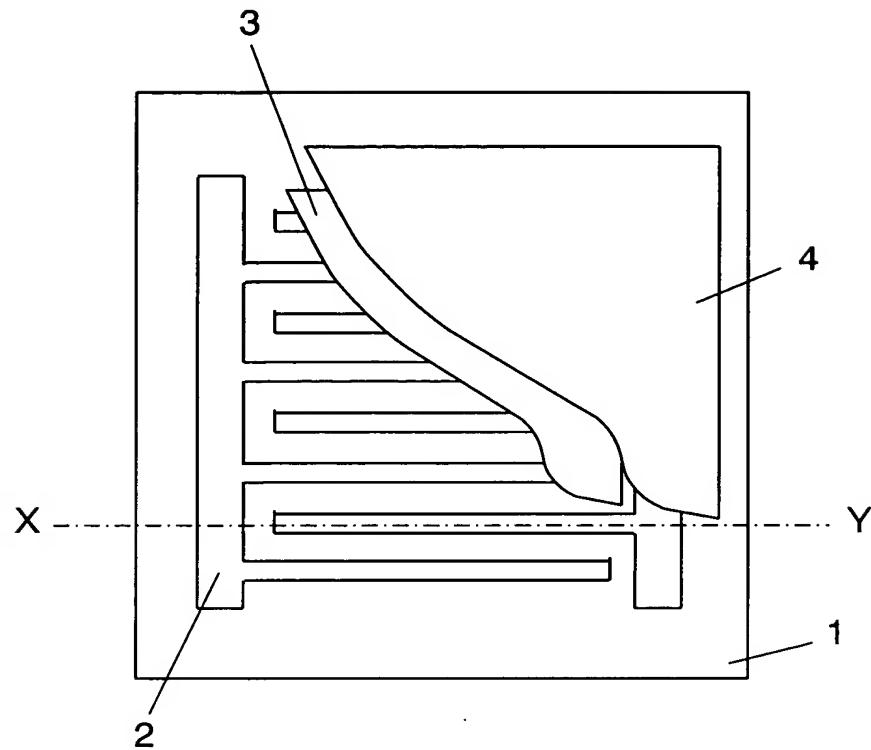
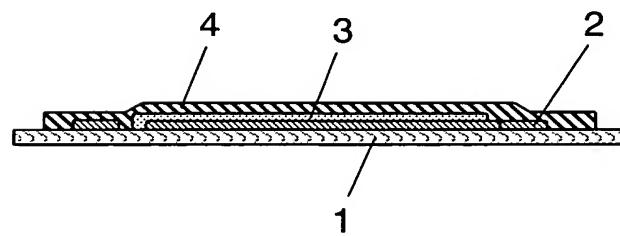


FIG. 1B



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FIG. 2

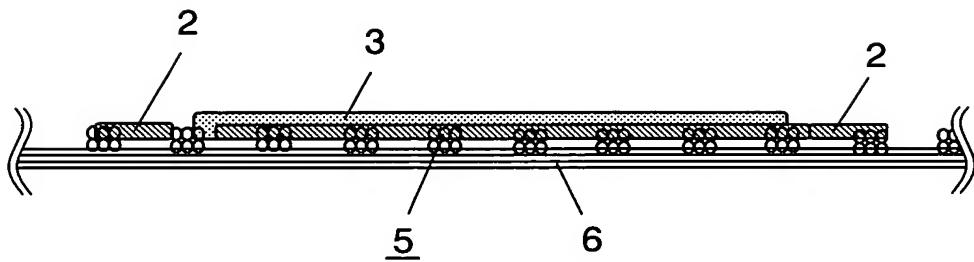
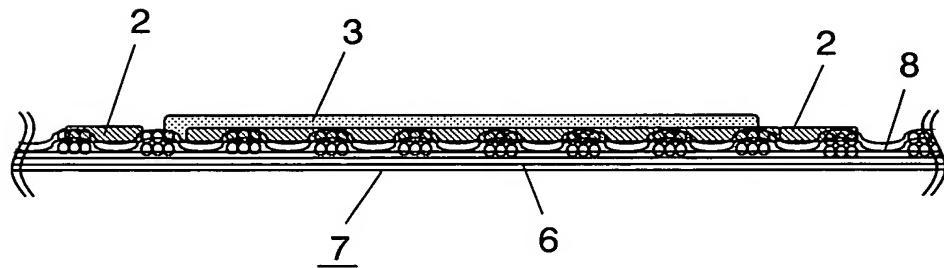


FIG. 3



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FIG. 4

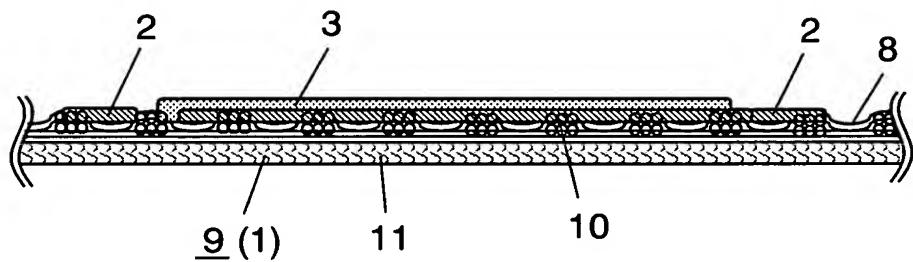
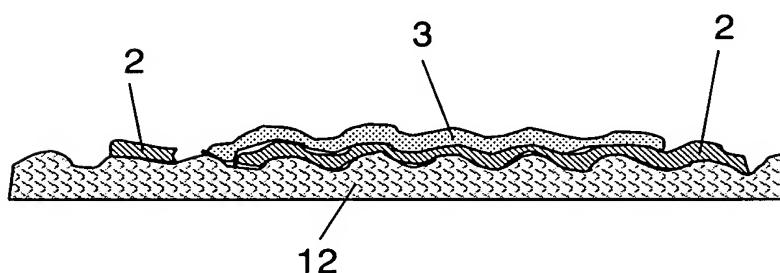


FIG. 5



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FIG. 6A

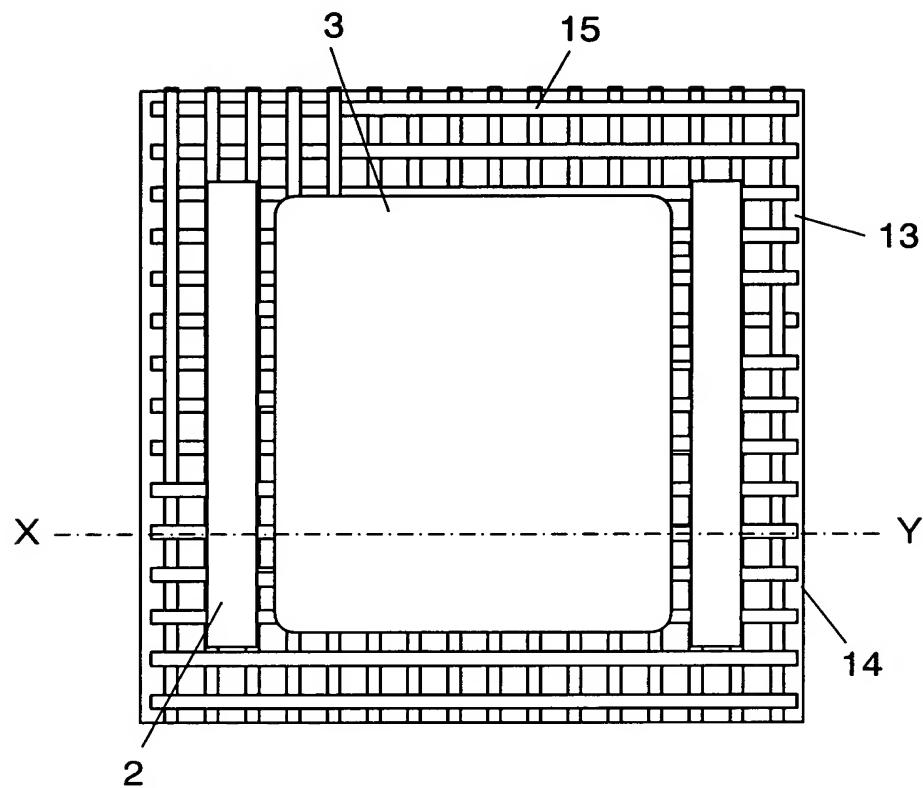
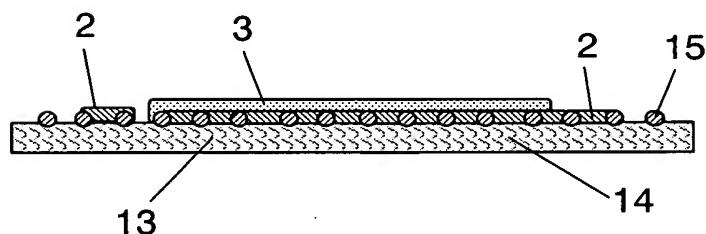


FIG. 6B



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FIG. 7

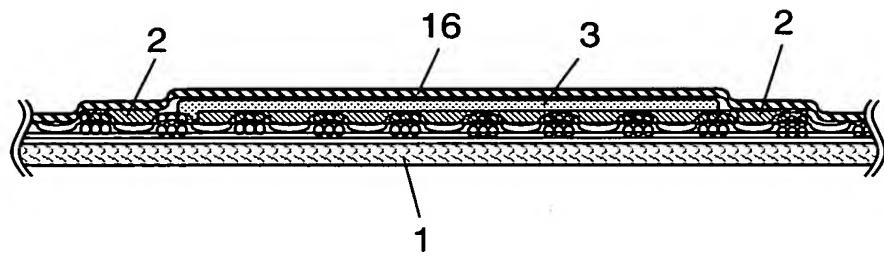
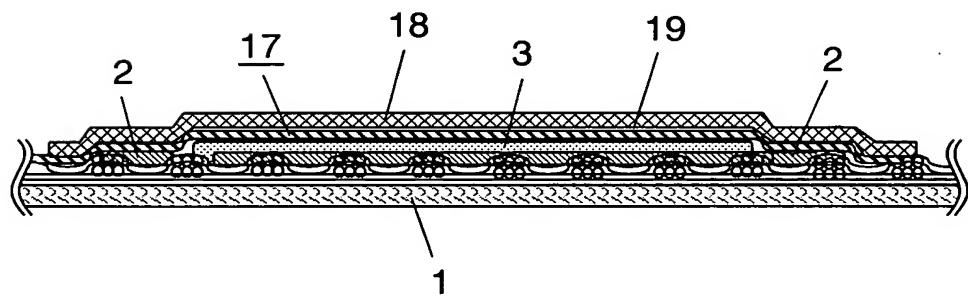


FIG. 8



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FIG. 9A

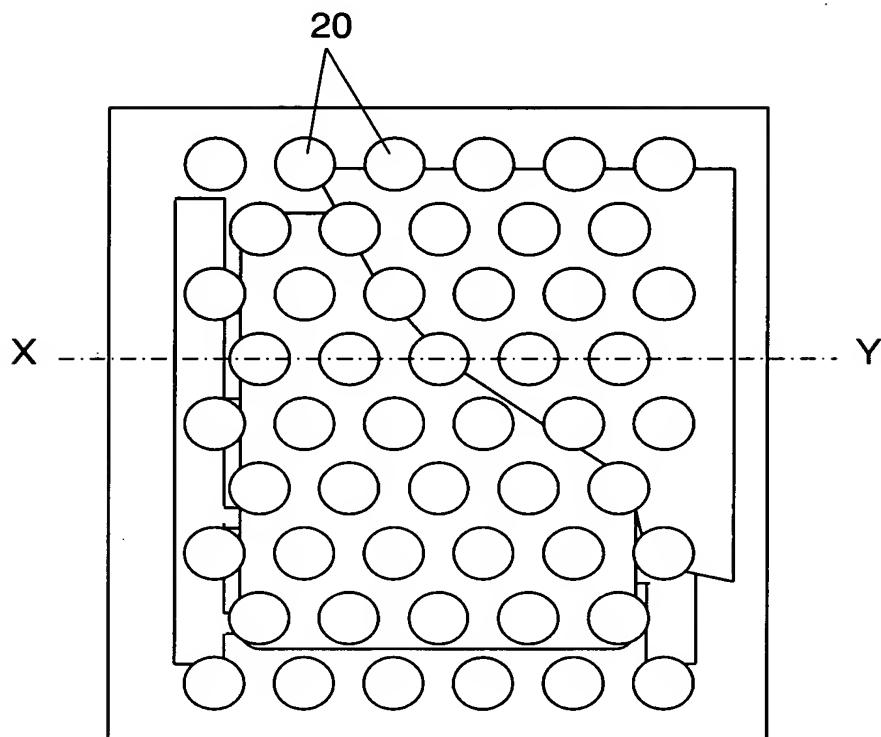
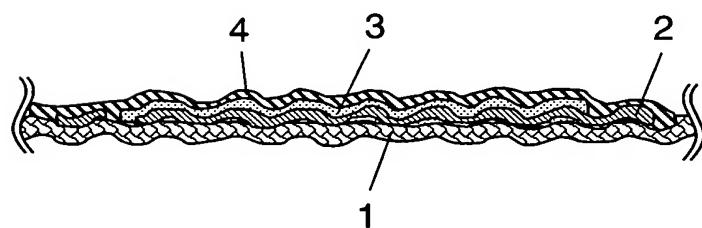
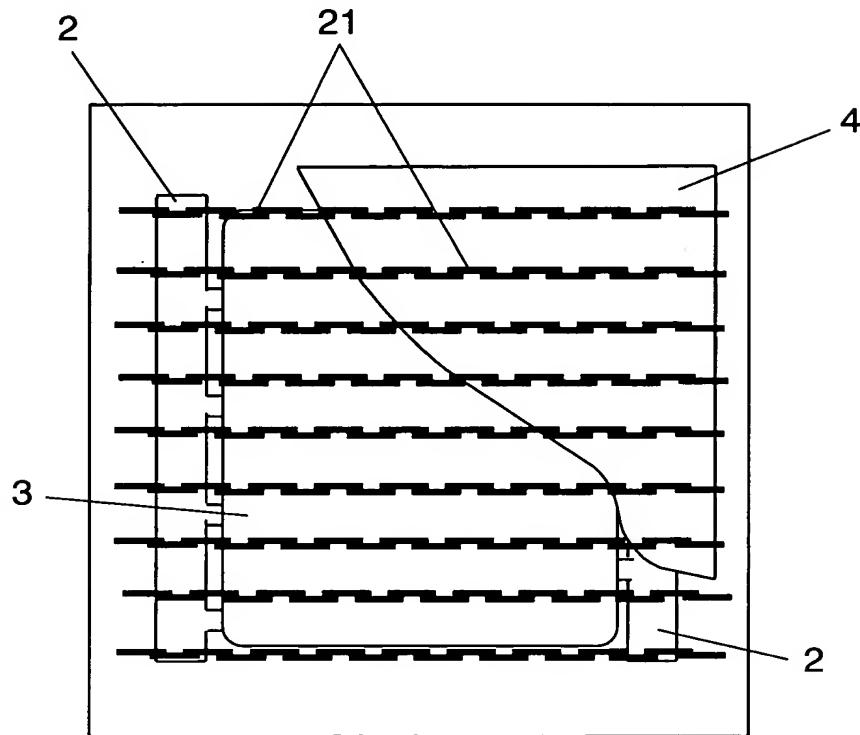


FIG. 9B



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FIG. 10



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FIG. 11A

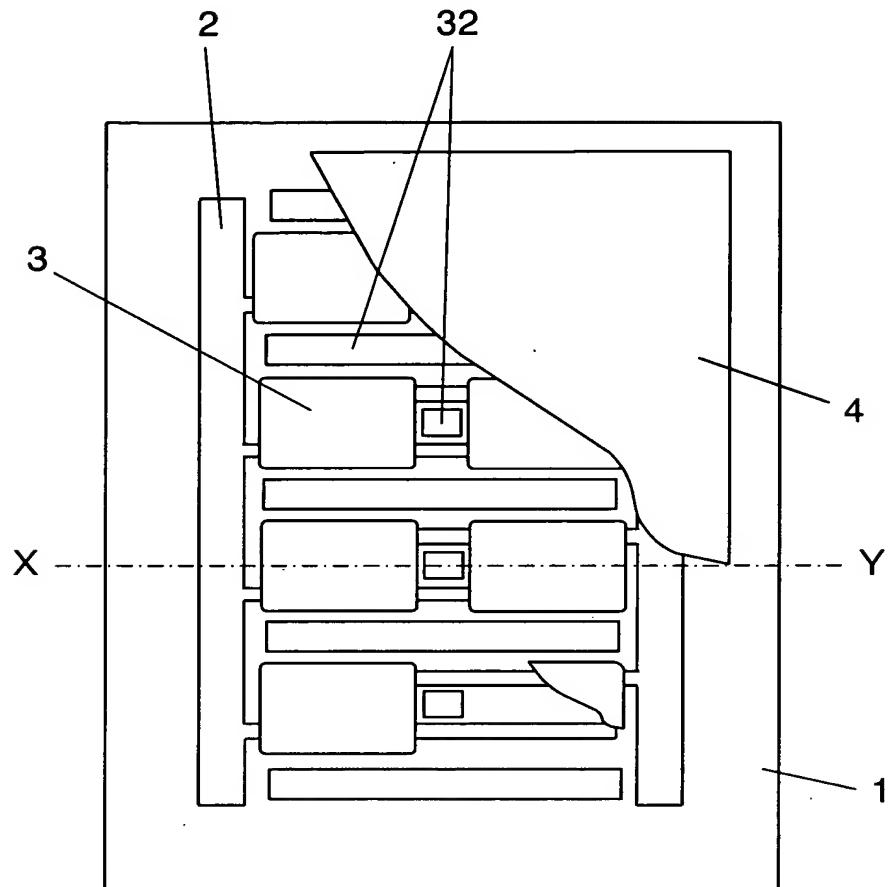
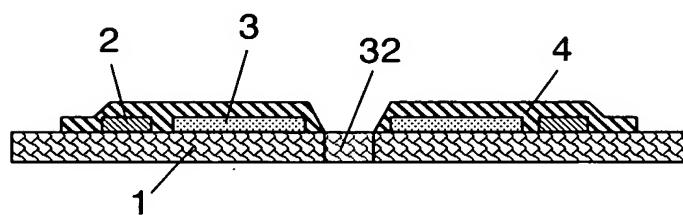
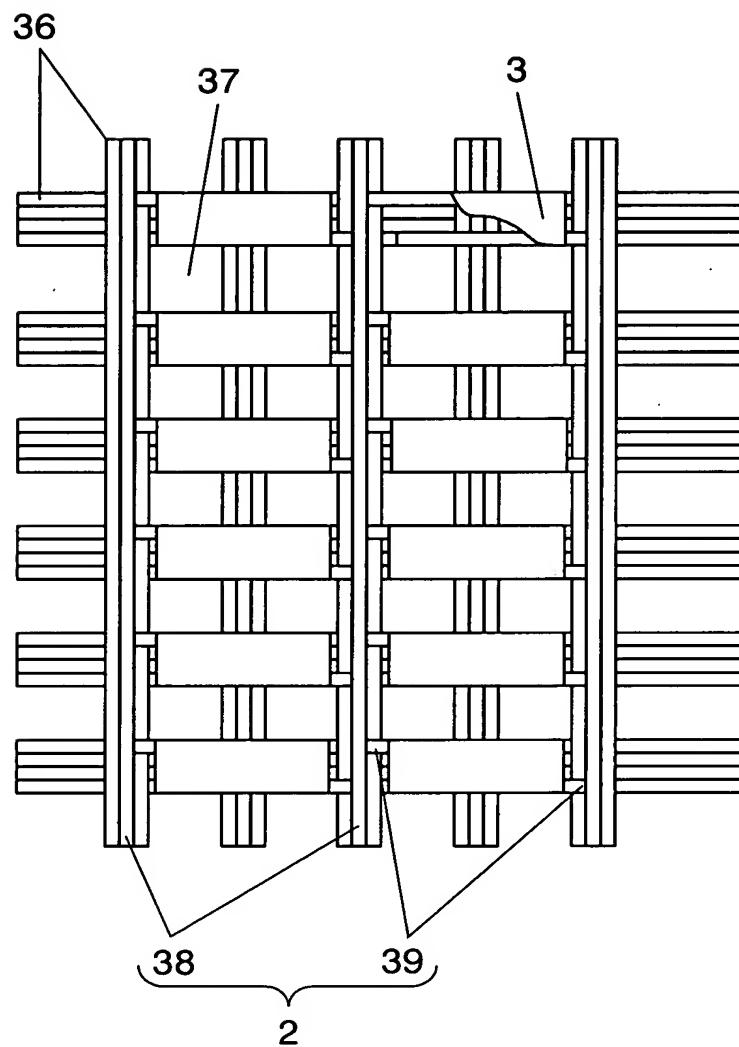


FIG. 11B



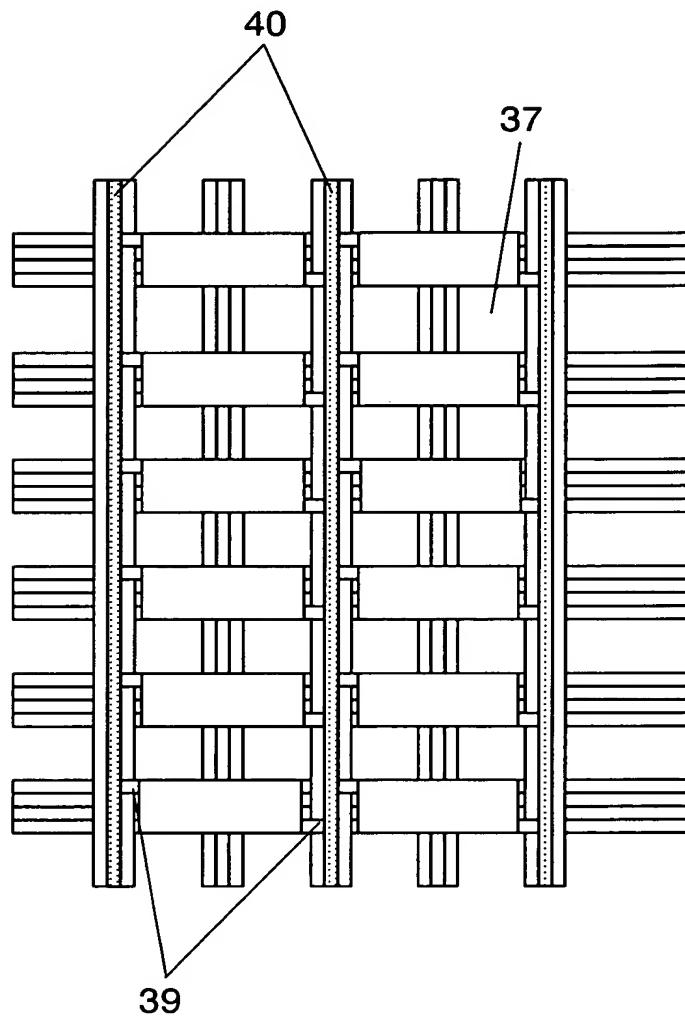
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FIG. 12



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**FIG. 13**



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FIG. 14A

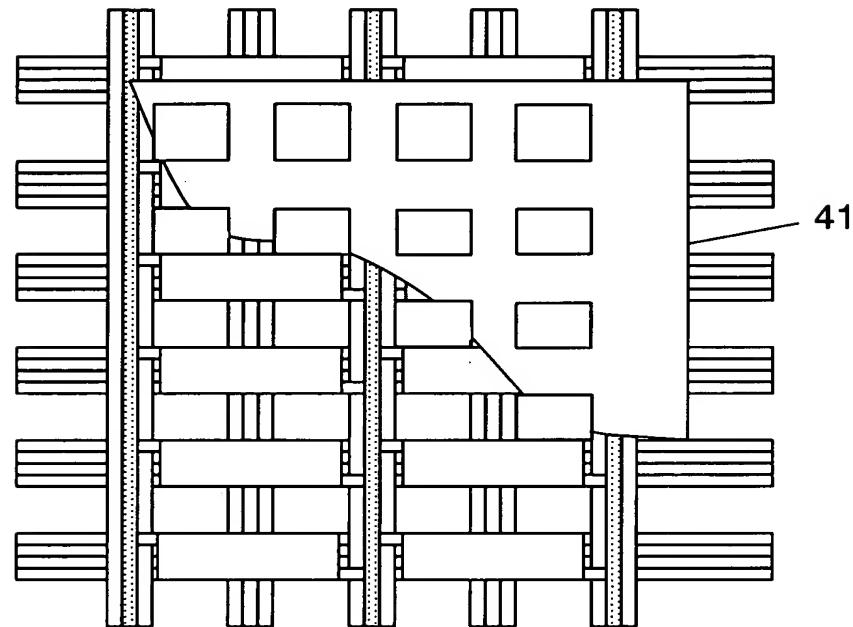
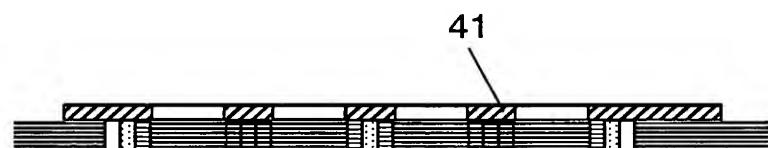


FIG. 14B



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FIG. 15A

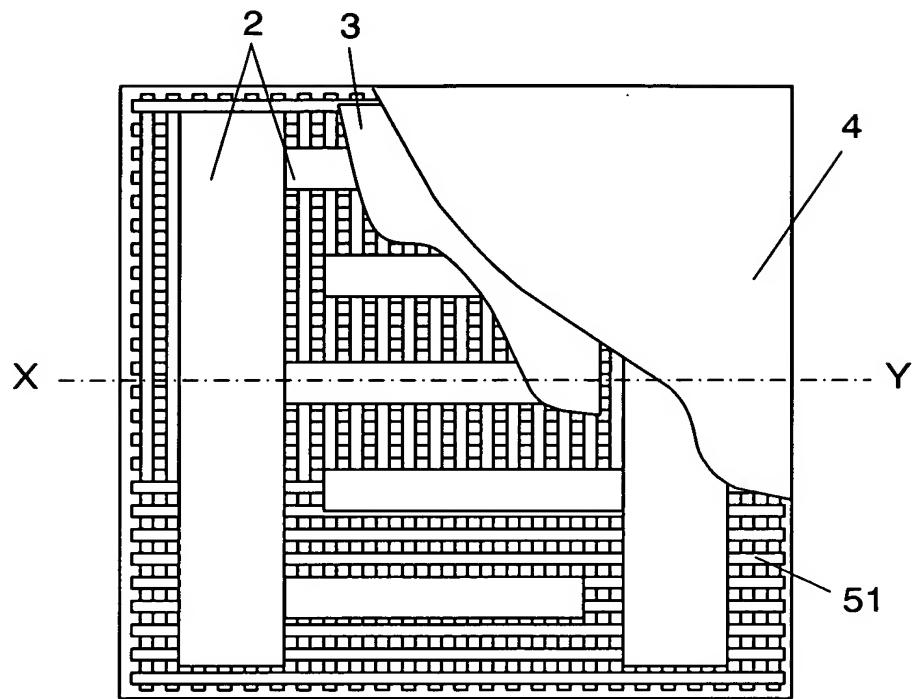
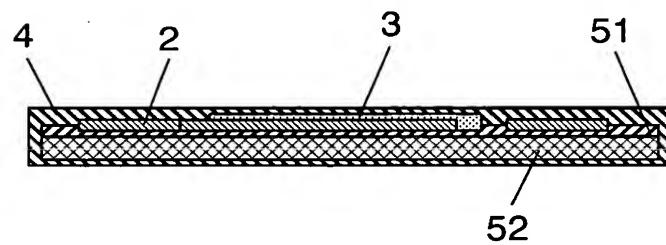


FIG. 15B



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FIG. 16

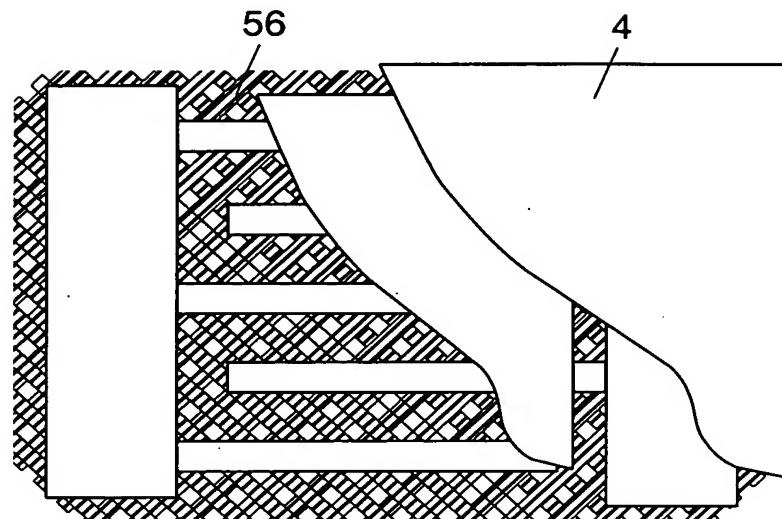


FIG. 17

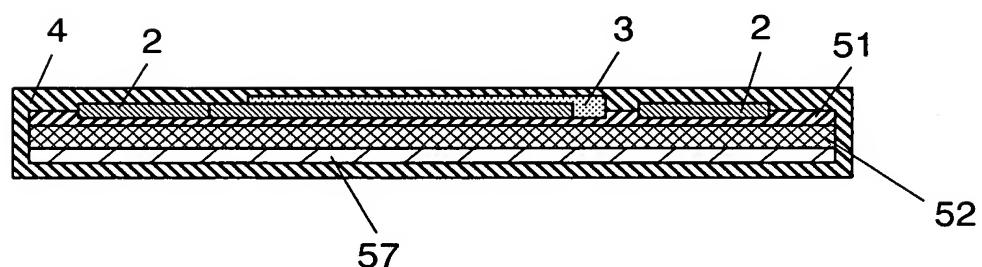
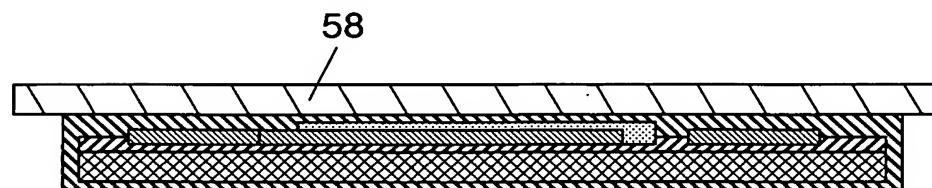


FIG. 18



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FIG. 19A

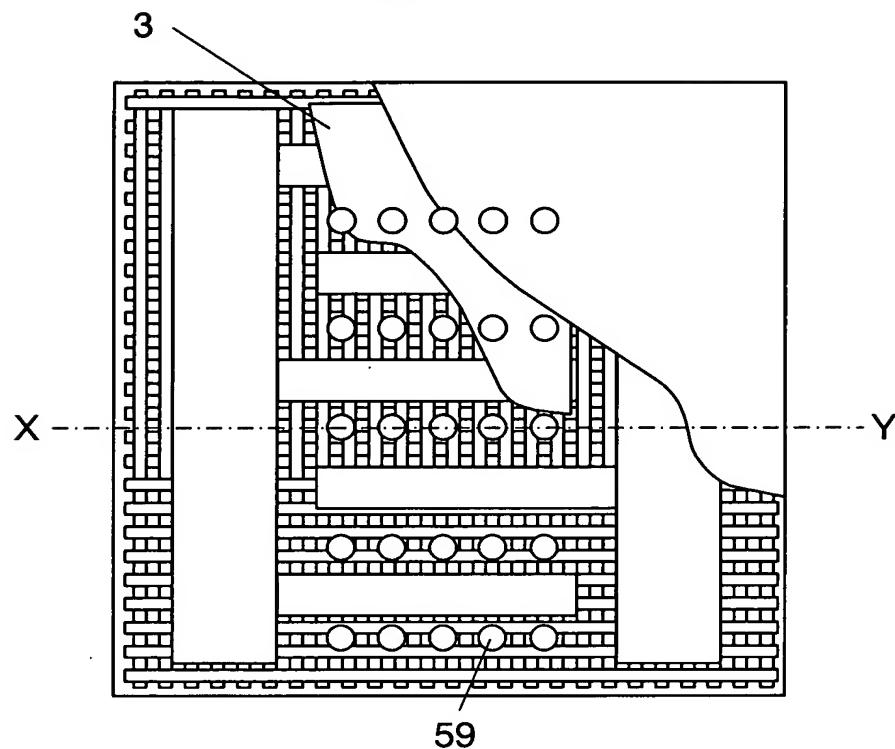
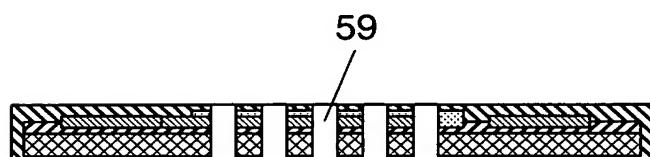


FIG. 19B



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FIG. 20A

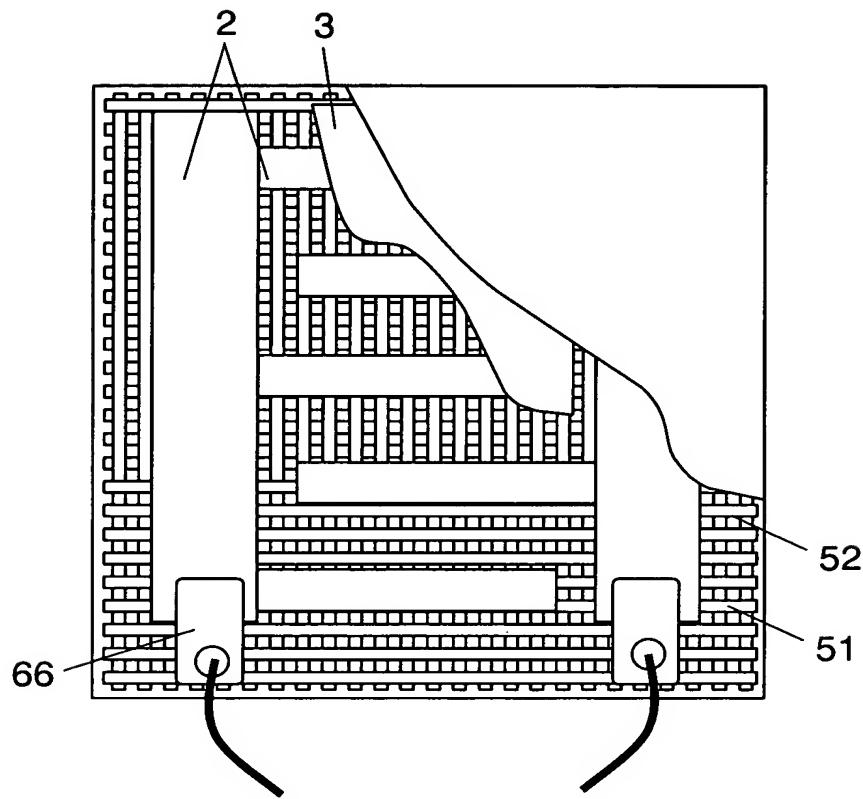
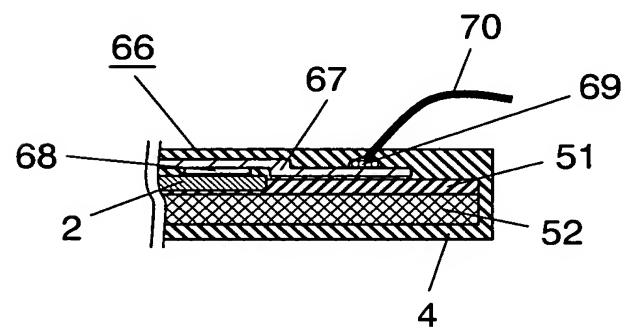


FIG. 20B



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FIG. 21

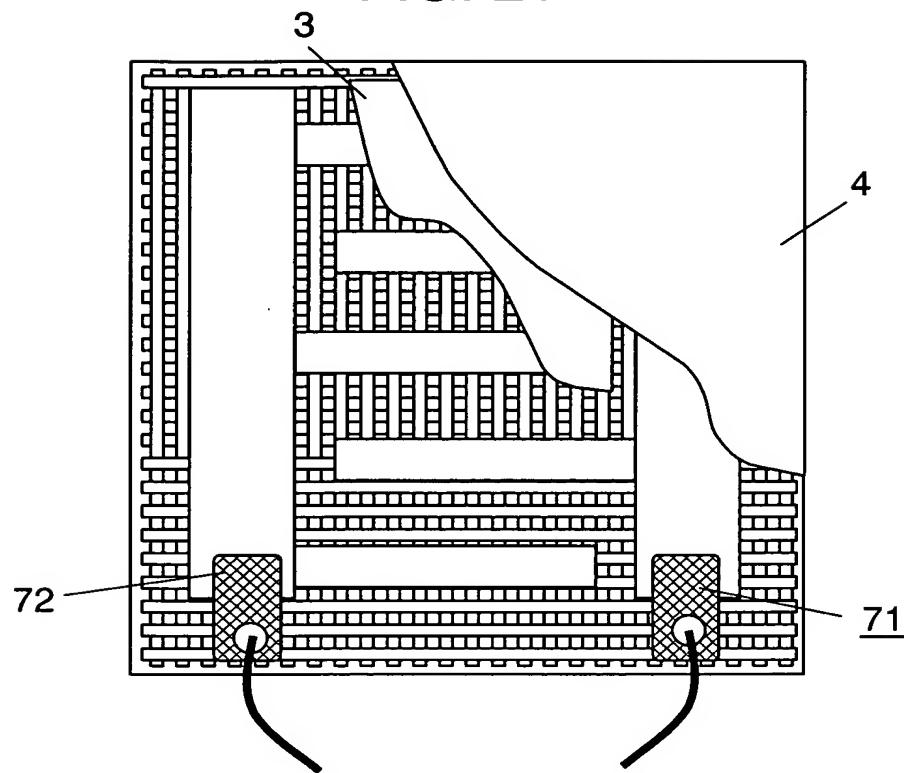
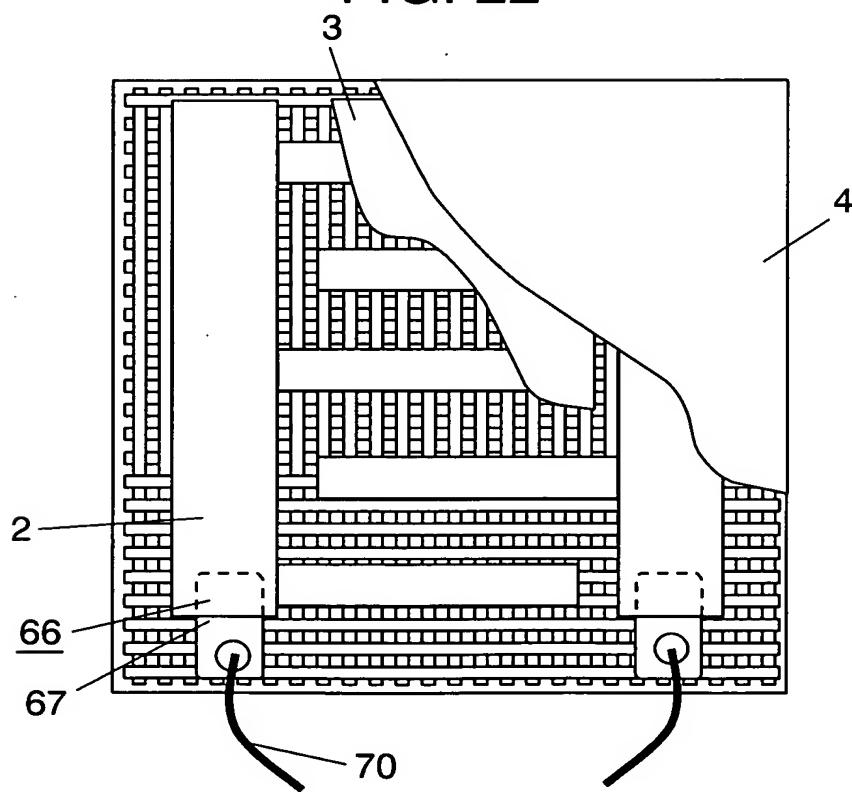


FIG. 22



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FIG. 23A

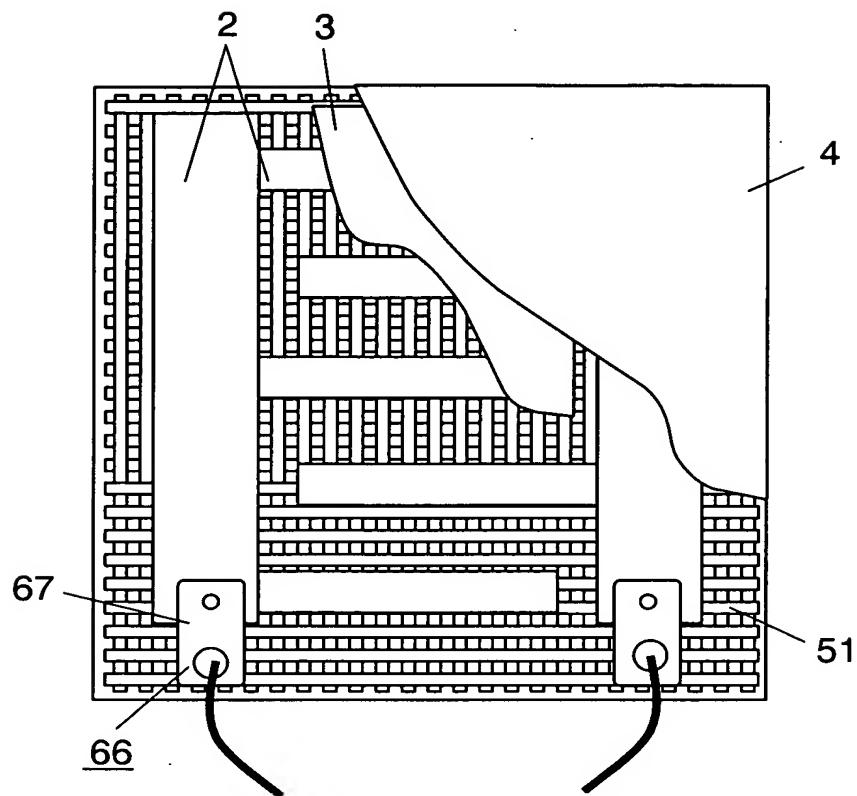
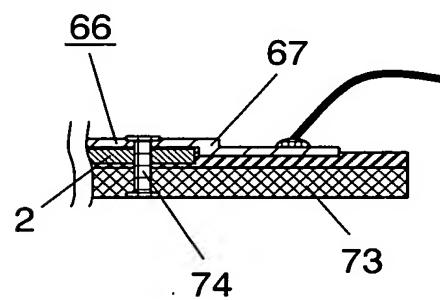
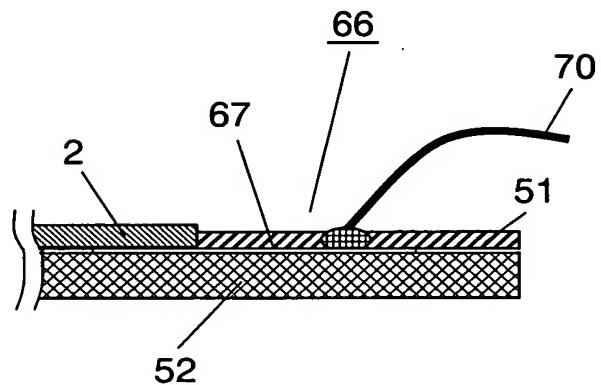


FIG. 23B



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FIG. 24



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FIG. 25A

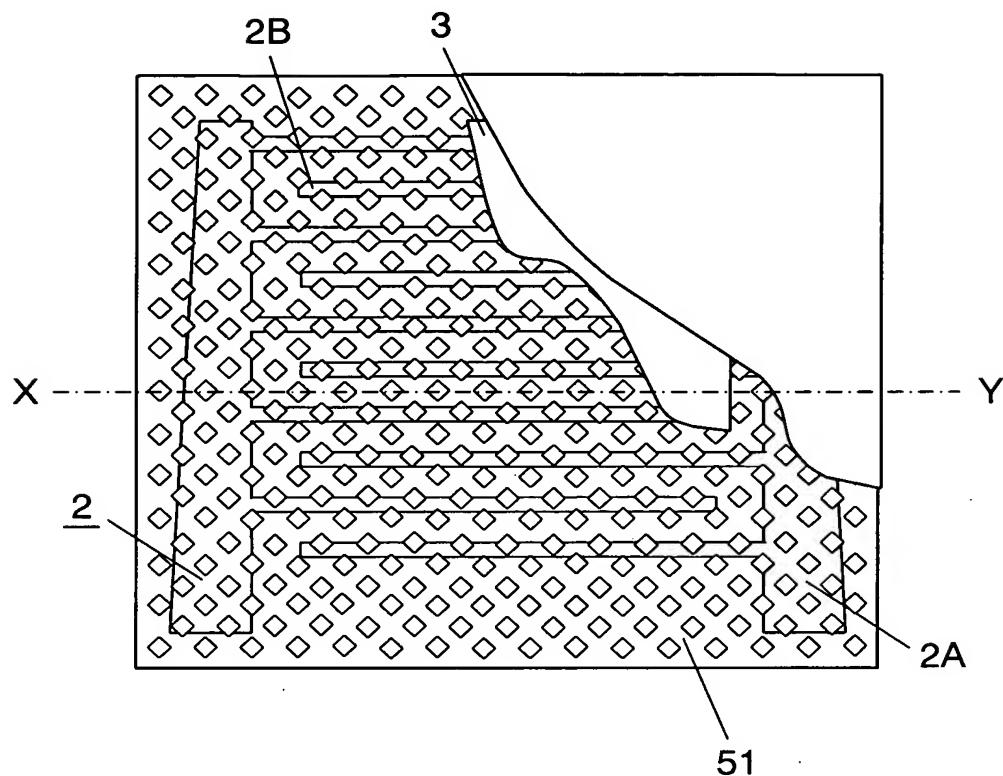
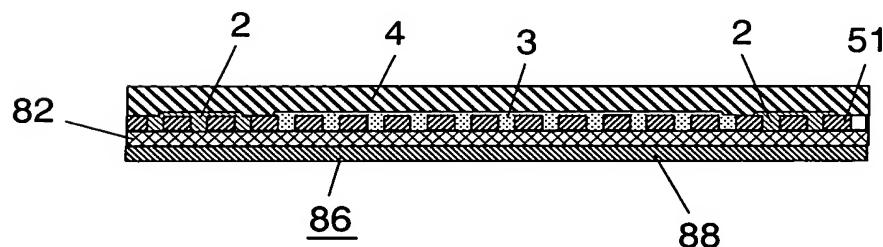


FIG. 25B



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FIG. 26

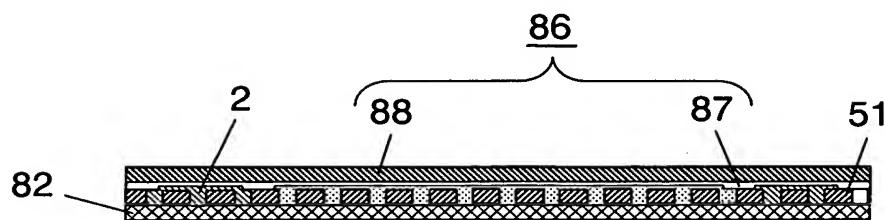


FIG. 27

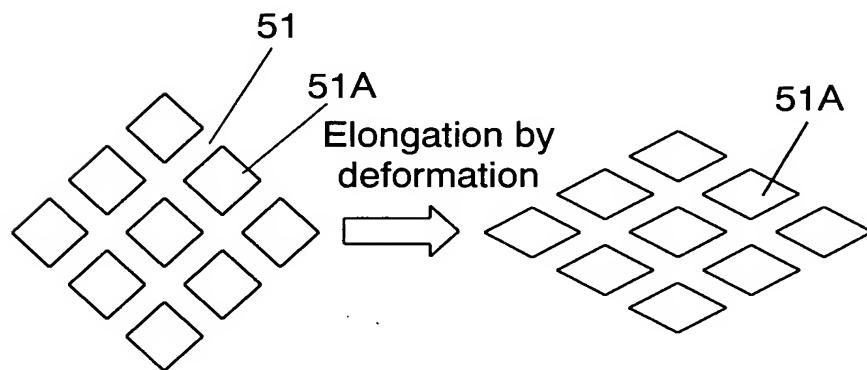
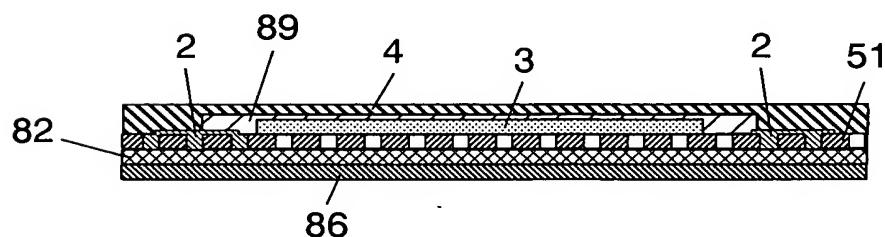


FIG. 28



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FIG. 29A

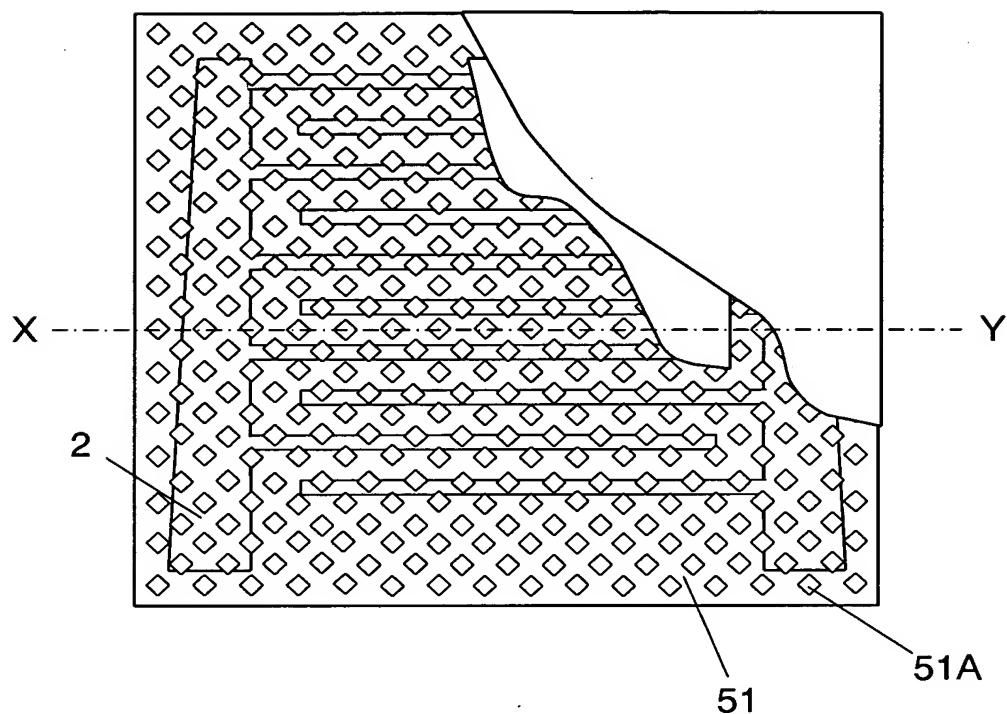
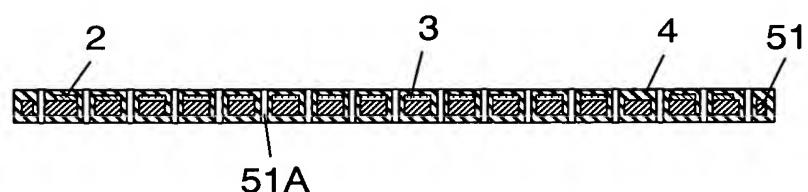


FIG. 29B



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FIG. 30A

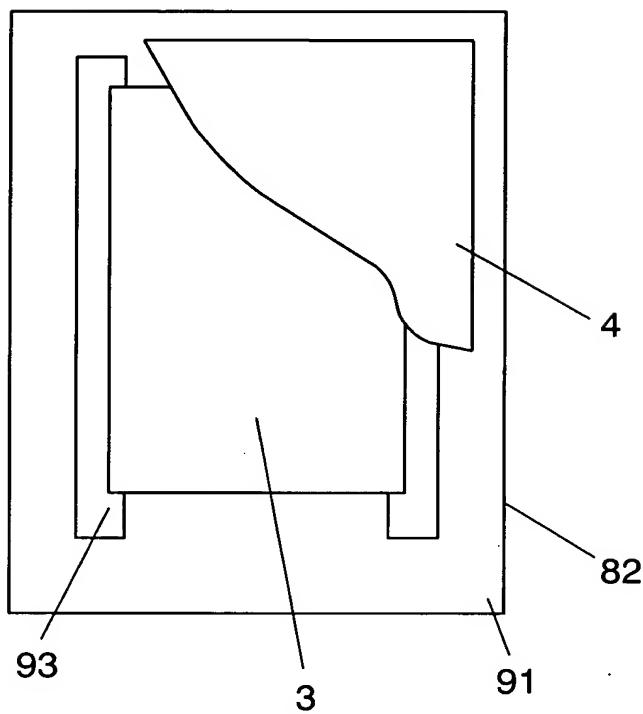
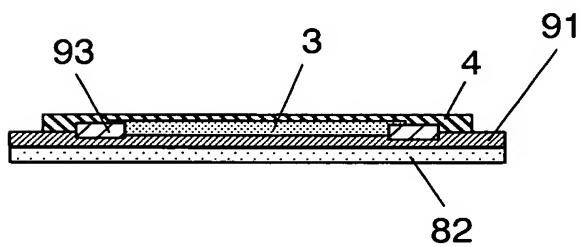


FIG. 30B



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FIG. 31A

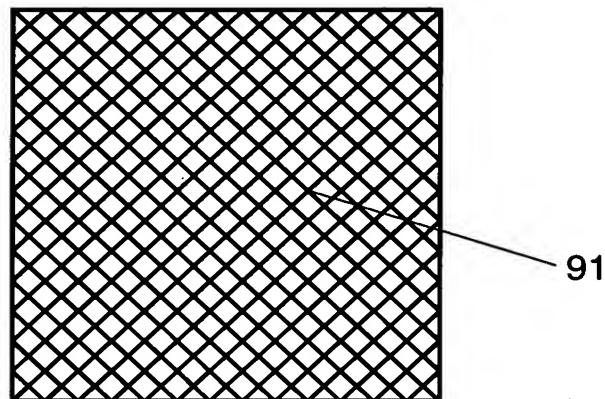
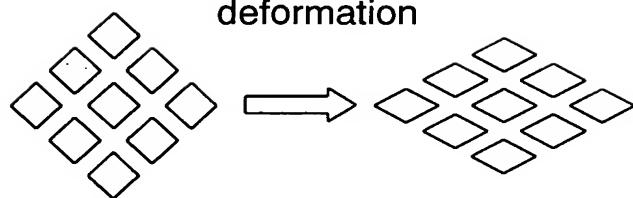


FIG. 31B

Elongation by  
deformation



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FIG. 32A

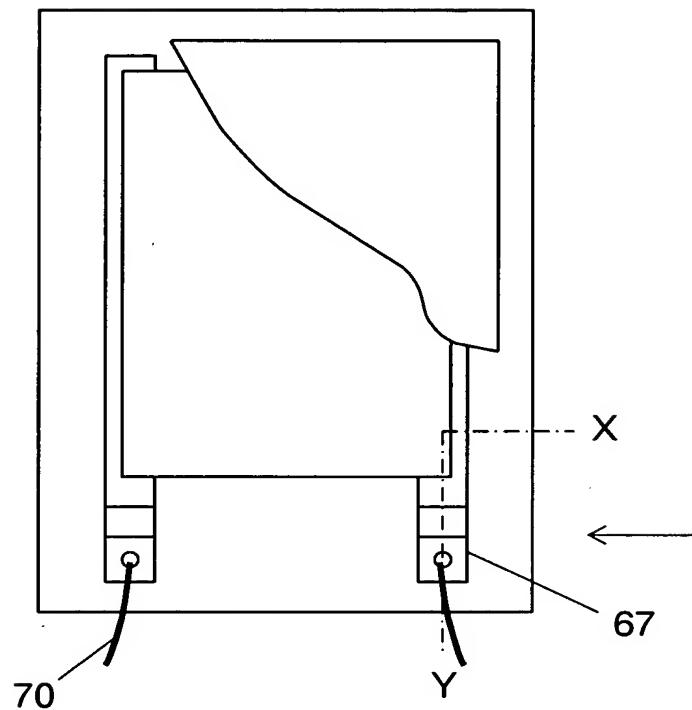
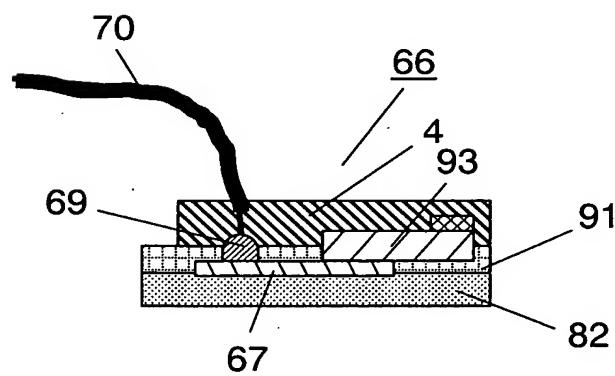


FIG. 32B



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FIG. 33A

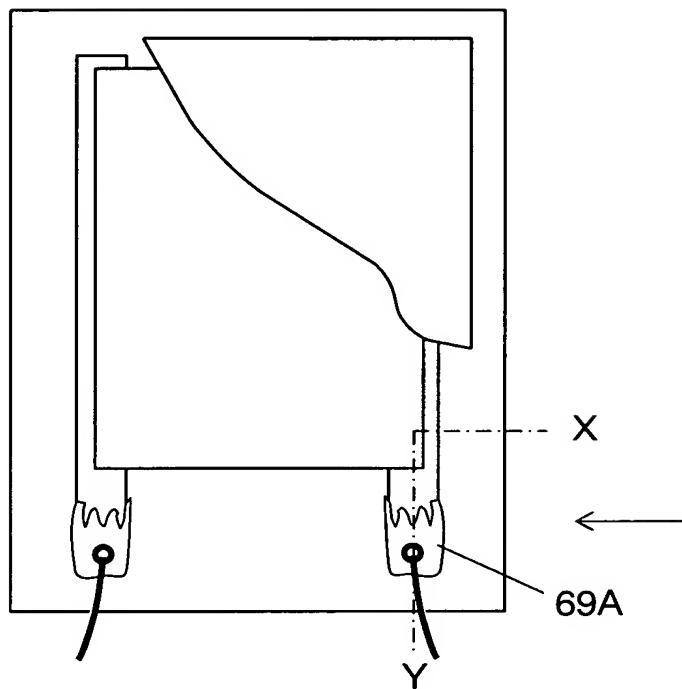
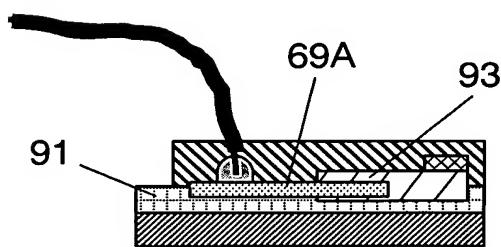


FIG. 33B



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FIG. 34A

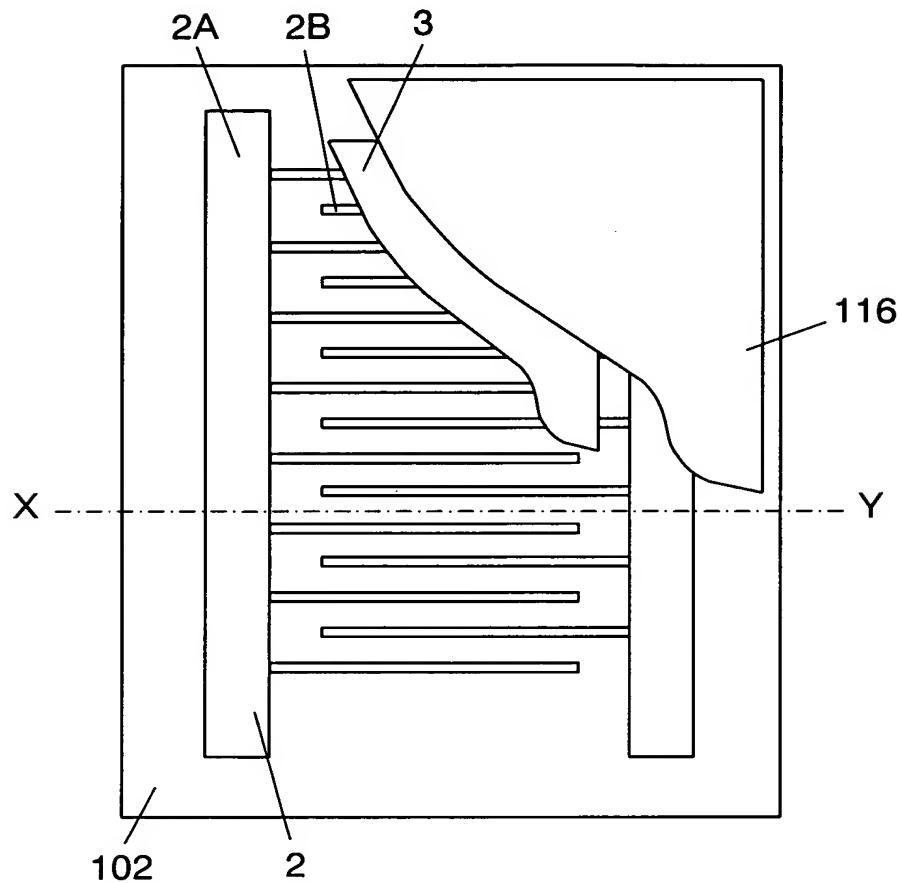


FIG. 34B

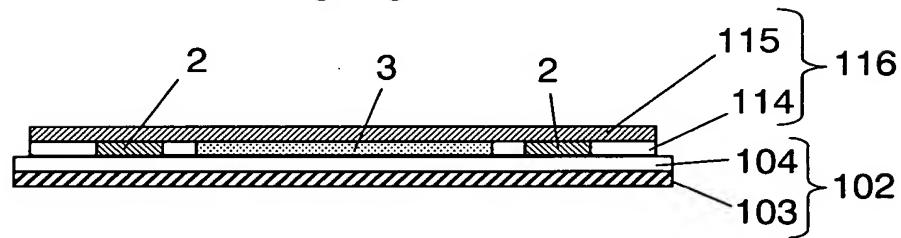
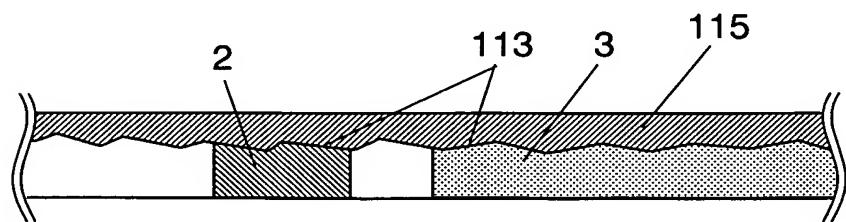


FIG. 34C



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FIG. 35A

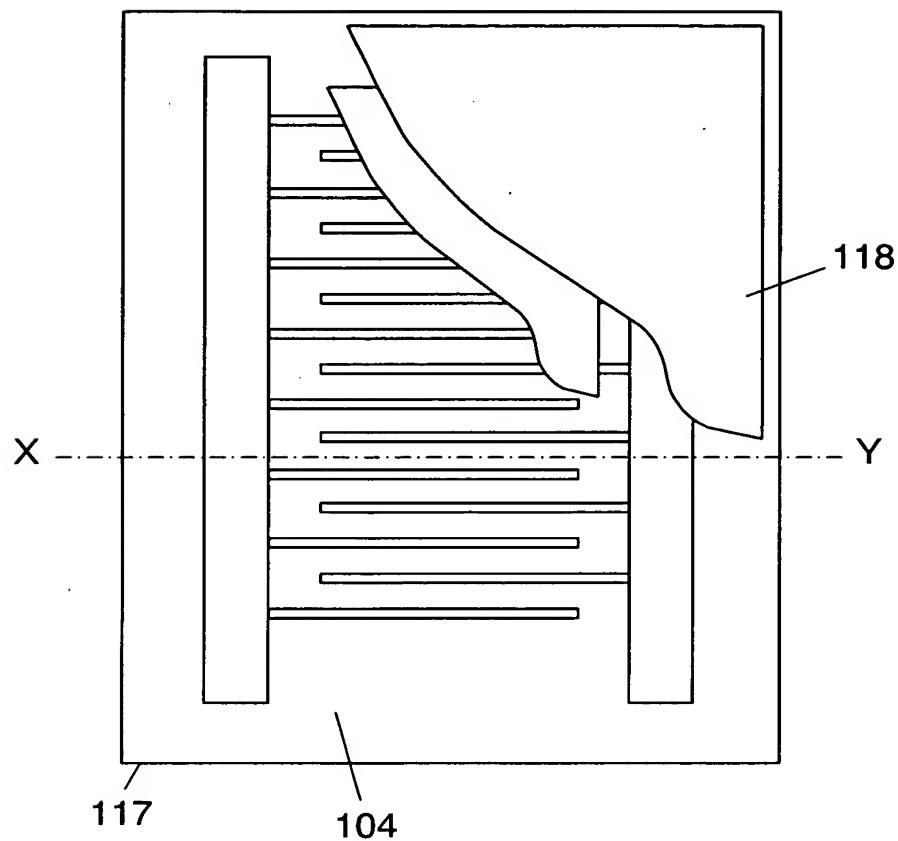
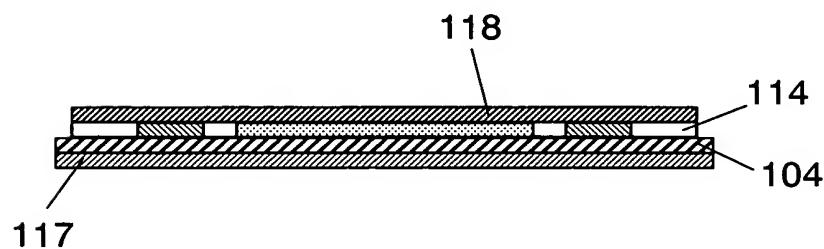
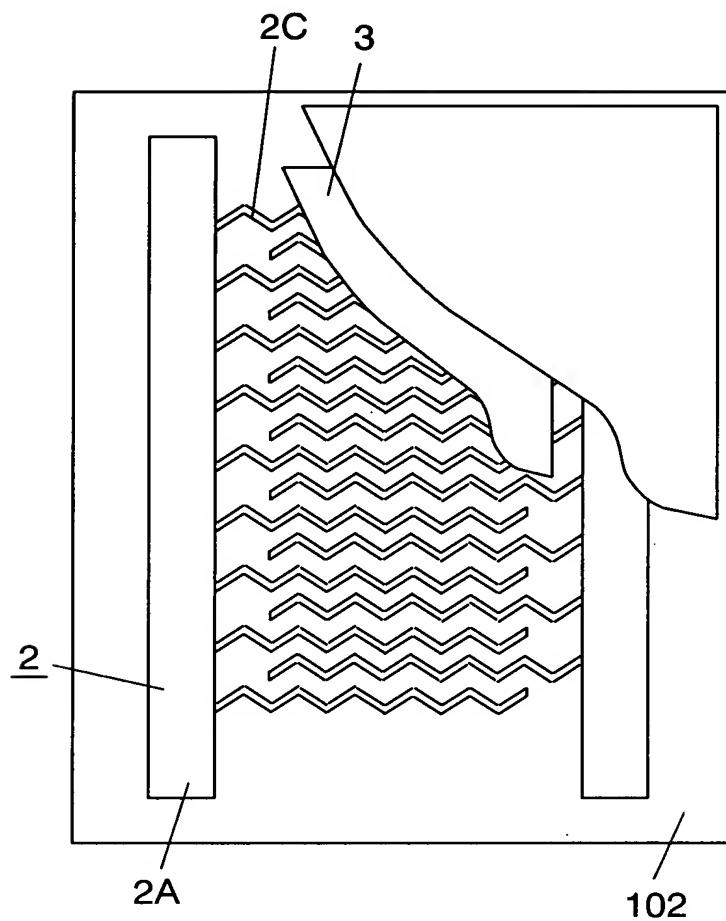


FIG. 35B



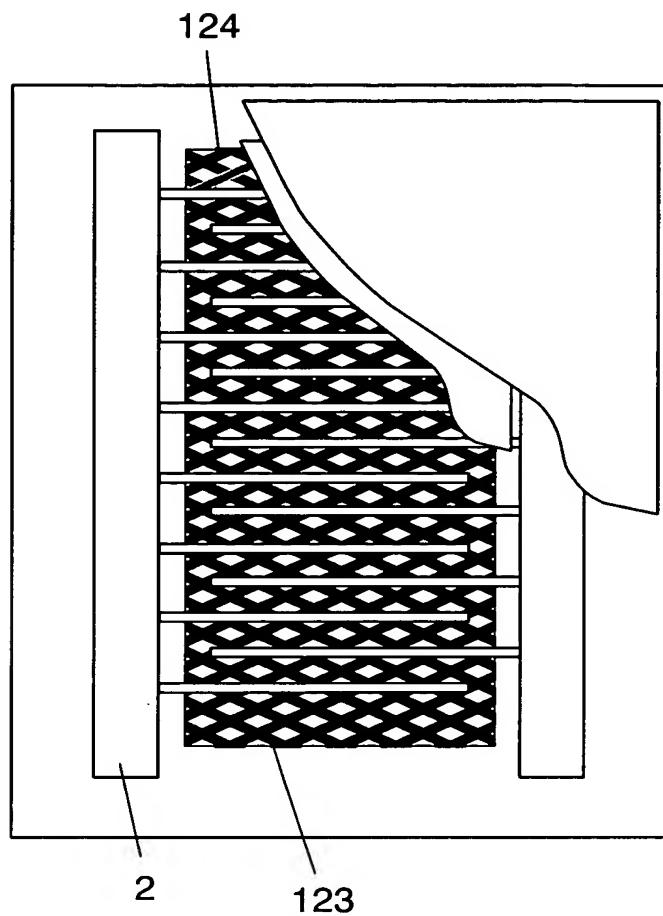
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FIG. 36



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**FIG. 37**



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FIG. 38A

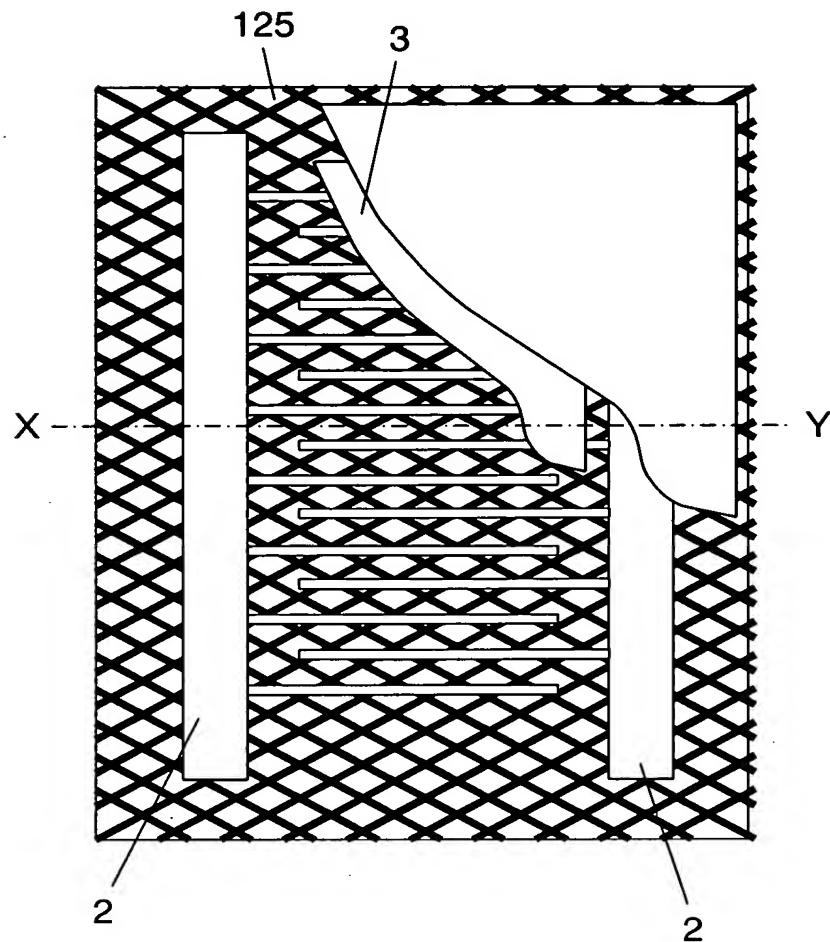
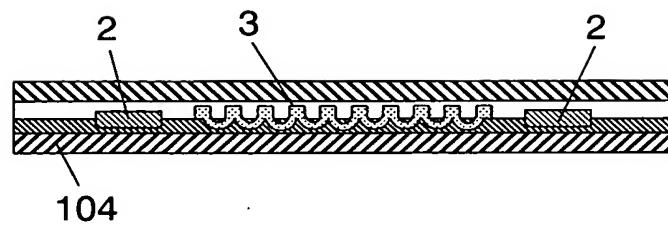


FIG. 38B



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FIG. 39A

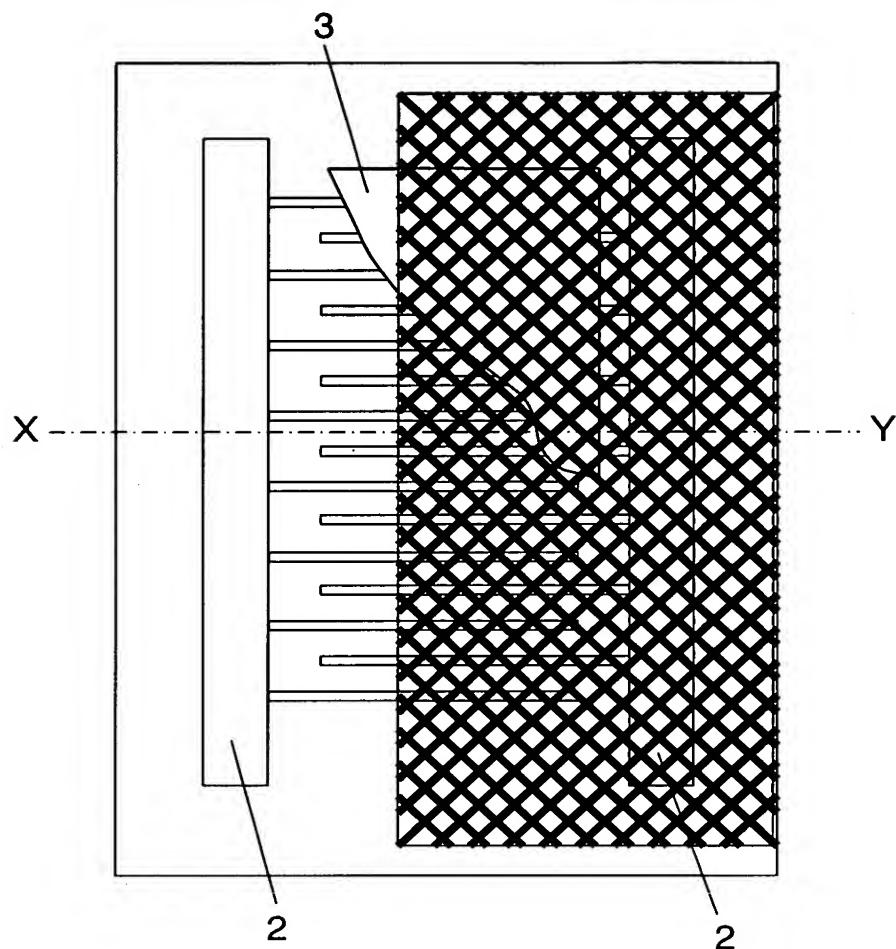
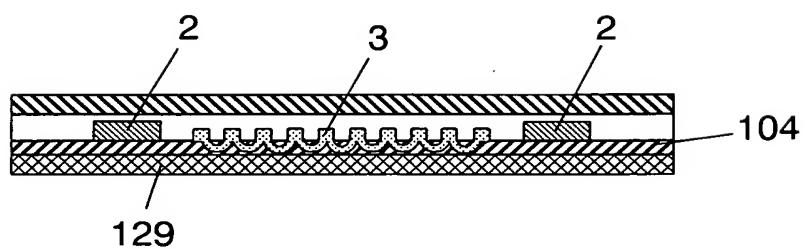


FIG. 39B



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FIG. 40A

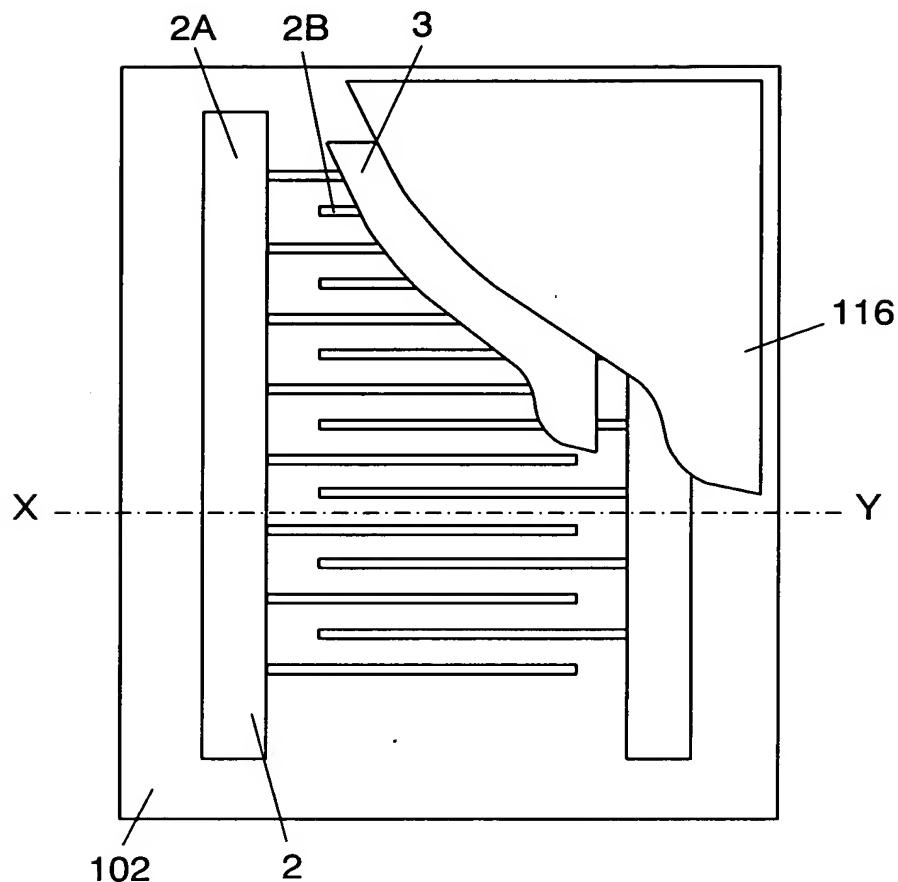
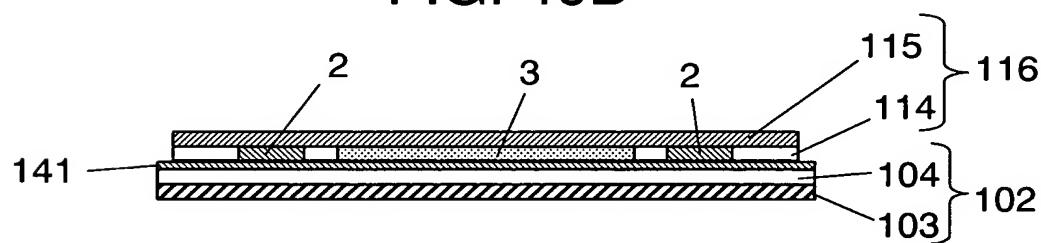
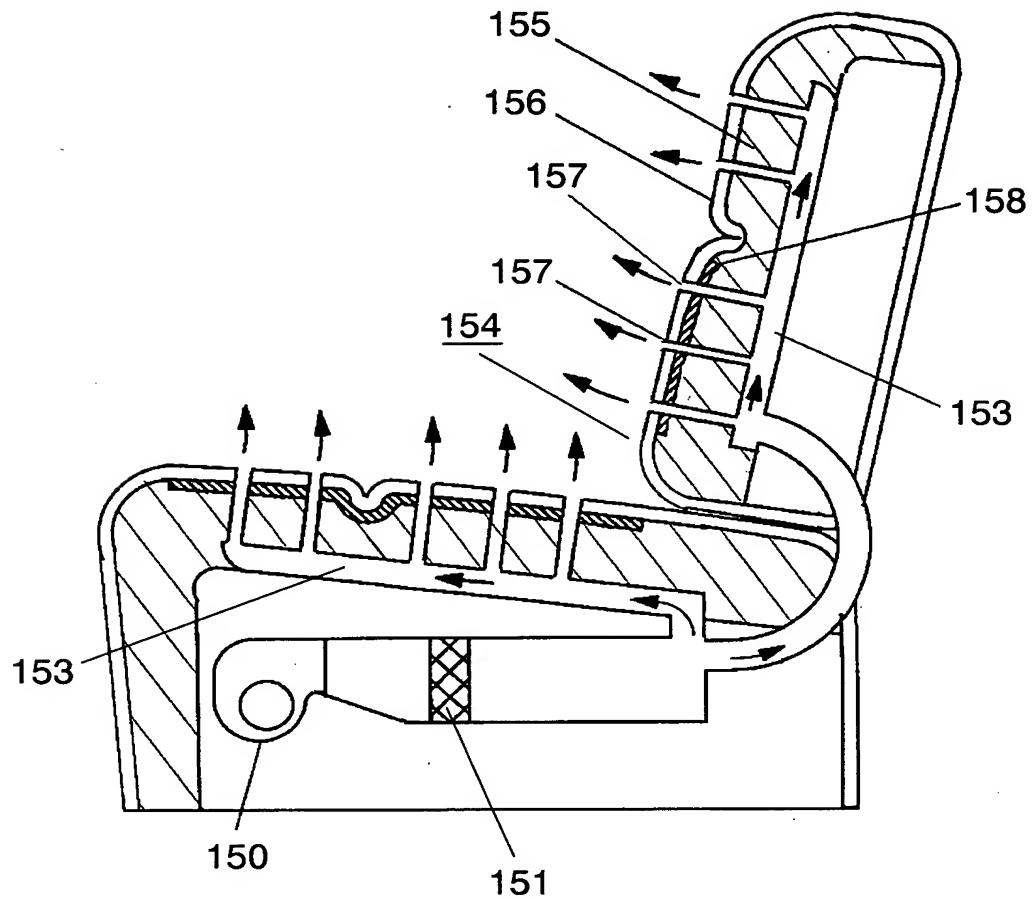


FIG. 40B



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FIG. 41



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FIG. 42A

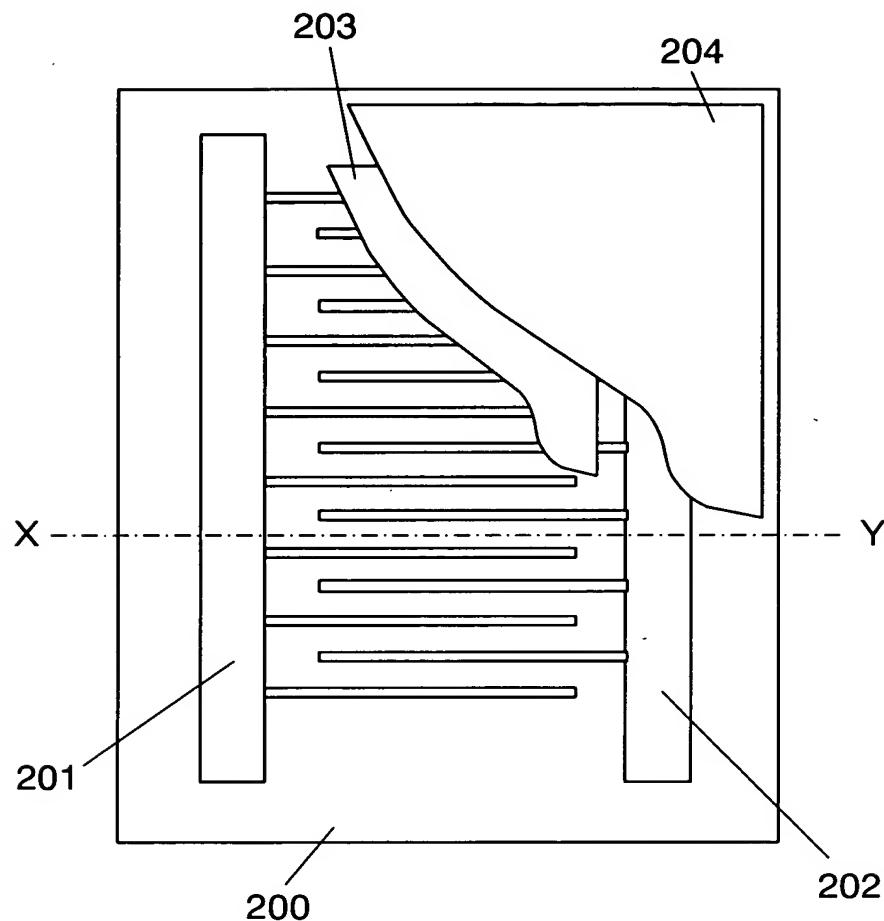
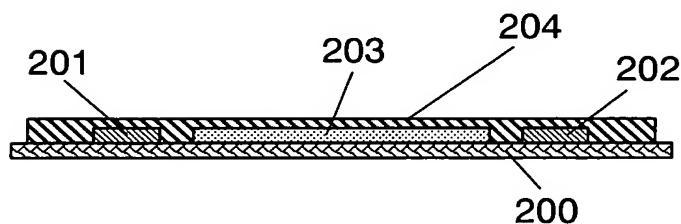


FIG. 42B



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Reference Numerals in the Drawings

- 1, 12, 13 Flexible substrate
- 2 Comb-like electrode
- 3 PTC resistor
- 4, 16, 17 Flexible cover material
- 5, 7, 9 Impregnation controlling non-woven fabric
- 6 Heat resistant fiber non-woven fabric
- 8, 19 Hot melting film
- 10 Spun bond
- 11 Spun lace
- 14 Resin foam
- 15 Resin net
- 18 Polyester non-woven fabric
- 20 Concave/convex shape
- 21 Stitched portion
- 32, 37, 51A Opening
- 36 Orthogonal fiber non-woven fabric
- 2A, 38 Main electrode
- 2B, 2C, 39 Branch electrode
- 40 Conductive wire
- 41 Moisture absorber
- 51, 56 Flexible mesh substrate
- 52 Flexible support substrate
- 57 Expansion and contraction control member
- 58 Leather
- 59 Through hole
- 66 Terminal portion
- 67, 71 Thin conductive material
- 68 Conductive adhesive
- 69 Solder
- 69A Cream solder pattern
- 70 Lead wire
- 72 Through hole
- 82 Flexible barrier material
- 86 Elongation control member
- 87 Joining member

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- 88 Knit mesh
- 89 Cushioning substrate
- 91 Flexible fiber substrate
- 93 Electrode
- 102 Flexible substrate
- 103, 115, 117, 118, 129 Fiber substrate
- 104 Film
- 113 Concave/convex portion
- 114 Hot melting film
- 123 Fiber material
- 124 PTC resistor fiber body
- 125 Mesh-like fiber substrate
- 142 Adhesive resin
- 150 Blower
- 151 Moisture removing portion
- 153 Blowing channel
- 154 Seat main body
- 155 Pad portion
- 156 Surface skin
- 157 Blowing hole
- 158 Flexible PTC heating element
- 200 Substrate
- 201, 202 Comb-like electrode
- 203 PTC resistor
- 204 cover material